



2Y 961 GTCAACCTAACATTTCATTTCTCGGATTTCTGGATTTGTGTTGTTG 1020  
 2b 961 GTCAACCTAACATTTCATTTCTCGGATTTCTGGATTTGTGTTGTTG 1020  
 2Y 1021 TGGTGGGGGTTGAAAGGGAGGGGGTTGAAACTTAACTTGCTATT 1080  
 2b 1021 TGGTGGGGGTTGAAAGGGAGGGGGTTGAAACTTAACTTGCTATT 1080  
 2Y 1081 CCTGCAGCTTACTTCATTATAGAACAGTATAACATTAACCTAAAAA 1140  
 2b 1081 CCTGCAGCTTACTTCATTATAGAACAGTATAACATTAACCTAAAAA 1140  
 2Y 1141 AAAAAAACCTGAGGGGGCCCGTACCC 1169  
 2b 1141 AAAAAAACCTGAGGGGGCCCGTACCC 1169

RESULT 2  
 US-09-899-645A-1

Sequence 1, Application US/09899945A  
 GENERAL INFORMATION:  
 APPLICANT: Li, Chun Ping  
 APPLICANT: Zheng, Peizhong  
 APPLICANT: Nichols, Scott  
 TITLE OF INVENTION: METHODS FOR REGULATING BETA-OXIDATION IN PLANTS  
 FILE REFERENCE: 3571B/235742  
 CURRENT APPLICATION NUMBER: US/09/899,645A  
 CURRENT FILING DATE: 2001-07-05  
 PRIOR APPLICATION NUMBER: 60/216,211  
 PRIOR FILING DATE: 2000-07-06  
 NUMBER OF SEQ ID NOS: 8  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 1  
 LENGTH: 1169  
 TYPE: DNA  
 ORGANISM: Zea mays  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (89) .. (814)  
 US-09-899-645A-1

Query Match Score 1169; DB 36; Length 1169;  
 Best Local Similarity 100.0%; Pred. No. 3.3e-205;  
 Matches 1169; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGCTCACCCTGGTGGCCGGCTCTGAAGACTAGTGGATCCCGGGTCAGGAATT 60  
 Db 1 GACTCCACCCTGGTGGCCGGCTCTGAAGACTAGTGGATCCCGGGTCAGGAATT 60  
 QY 61 GGACGAGAGACTCTGATTGCTTAAATGGCATAGTTGGCATGCAATTTCCTGT 120  
 Db 61 GGACGAGAGACTCTGATTGCTTAAATGGCATAGTTGGCATGCAATTTCCTGT 120  
 QY 121 TGCTGGACATAAACATACCGATAATACTAACGTCATGGCCAGTGGATCCAG 180  
 Db 121 TGCTGGACATAAACATACCGATAATACTAACGTCATGGCCAGTGGATCCAG 180  
 QY 181 CTTCGCCAACAGAAATGGGCAANGCAGAAGGGCTAGTGTATTCACTTGTG 240  
 Db 181 CTTCGCCAACAGAAATGGGCAANGCAGAAGGGCTAGTGTATTCACTTGTG 240  
 QY 241 TCTTTCCAGAACAGTCCTTACGGCTGAACTCATGGCTGATGTTCC 300  
 Db 241 TCTTTCCAGAACAGTCCTTACGGCTGAACTCATGGCTGATGTTCC 300  
 QY 301 TCCGCCAACAGTCCTTACGGCTGAACTCATGGCTGATGTTCC 360  
 Db 301 TCCGCCAACAGTCCTTACGGCTGAACTCATGGCTGATGTTCC 360  
 QY 361 CCTCCCATCCAAATAGAACACTGGCACGCTTAAAGGTTATCCTGGCCCATAGA 420  
 Db 361 CCTCCCATCCAAATAGAACACTGGCACGCTTAAAGGTTATCCTGGCCCATAGA 420

QY 421 ATGAGATTTCTGAGCTTCAAGGCTCTCAACATTAACCAAGCTTAAACTACTGGTTG 480  
 Db 421 AATGAGATTTCTGAGGTTCACTTAAACAGCTTAAACTACTGGTTG 480  
 QY 481 ACCTCGAGGAACACTCTAGAGGCTACAGATGTGTGATGATGCTTC 540  
 Db 481 ACCTCGAGGAACACTCTAGAGGCTACAGATGTGTGATGATGCTTC 540  
 QY 541 GGATCTACTATTTCTGGGGAGGCTTAAACCTCATCGGAGAAAGGTTGAAGATA 600  
 Db 541 GGATCTACTATTTCTGGGGAGGCTTAAACCTCATCGGAGAAAGGTTGAAGATA 600  
 QY 601 CGGCCCTAGCTCTGCTTACACATTCTGACAACTCTGAGGCTGAAATGGAT 660  
 Db 601 CGGCCCTAGCTCTGCTTACACATTCTGAGGCTGAAATGGAT 660  
 QY 661 GCTGTAATGTTGATGAGGGCCATCTGGCAGGGTTCTGTCACGGGACGAT 720  
 Db 661 GCTGTAATGTTGATGAGGGCCATCTGGCAGGGTTCTGTCACGGGACGAT 720  
 QY 721 GTTCACGGCAAGGAGCTTATCTGCTGACCCAAAGGGATTGATTGAAAGGGA 780  
 Db 721 GTTCACGGCAAGGAGCTTATCTGCTGACCCAAAGGGATTGATTGAAAGGGA 780  
 QY 781 GANCGGGAGGACCAAATCCAGGGGAAGTTGAGCACCTCTCTPAATTGGTT 840  
 Db 781 GANCGGGAGGACCAAATCCAGGGGAAGTTGAGCACCTCTCTPAATTGGTT 840  
 QY 841 GACTGTAGAGGATCCAAAGGAGCTTGAAGGGCACACATCCTCTPAATTGGTT 900  
 Db 841 GACTGTAGAGGATCCAAAGGAGCTTGAAGGGCACACATCCTCTPAATTGGTT 900  
 QY 901 TAGATATTATGAAATTGCAACAAATAATAAGATAATCAGCAGTAAAGATCTAA 960  
 Db 901 TAGATATTATGAAATTGCAACAAATAATAAGATAATCAGCAGTAAAGATCTAA 960  
 QY 961 GTGAAACCTAACATTTCATTTCATTTCATTTCCTGGATGATTCTPATTGTTGTTGTTG 1020  
 Db 961 GTGAAACCTAACATTTCATTTCATTTCCTGGATGATTCTPATTGTTGTTGTTGTTG 1020  
 QY 1021 TGGTGGGGGTTGATGATTCTGGATGATTCTPATTGTTGTTGTTGTTGTTGTTG 1080  
 Db 1021 TGTTGGGGGTTGATGATTCTGGATGATTCTPATTGTTGTTGTTGTTGTTGTTG 1080  
 QY 1081 CCTGCAGCTTACTTCATTATGAAAGGTTATATAACATTTAAACTTCAAAAAAA 1140  
 Db 1081 CCTGCAGCTTACTTCATTATGAAAGGTTATATAACATTTAAACTTCAAAAAAA 1140  
 QY 1141 AAAAAAAACTGAGGGGGCCGGTAC 1169  
 Db 1141 AAAAAAAACTGAGGGGGCCGGTAC 1169

RESULT 3  
 US-60-1172-946-1  
 Sequence 1, Application US/60172946  
 GENERAL INFORMATION:  
 APPLICANT: Allen, Steve  
 APPLICANT: Ping, Chun  
 TITLE OF INVENTION: Palmitoyl-AcyI-ACP Thioesterases in Plants  
 FILE REFERENCE: BB1128 US PRV  
 CURRENT APPLICATION NUMBER: 1999-12-21  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: Microsoft Office 97  
 SEQ ID NO: 1  
 LENGTH: 1100  
 TYPE: DNA  
 ORGANISM: Zea mays  
 us-60-1172-946-1

Query Match Score 1081; DB 73; Length 1100;  
 Best Local Similarity 99.5%; Pred. No. 5.3e-189;

Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 1 MVHSIHAIFLVAGDNNNPIIYQVHARDGSSPATRKVEAKTQKGLVYFTLIA\$QKEEVGF 60  
Y 1 MVHSIHAIFLVAGDNNNPIIYQVHARDGSSPATRKVEAKTQKGLVYFTLIA\$QKEEVGF 60

b 61 EHQAAMPDVPPPEQLINLEBIRRRLTDPRPSQRNLAAKKKFIPWPEMRFCGSAS 120  
b 61 EHQAAMPDVPPPEQLINLEBIRRRLTDPRPSQRNLAAKKKFIPWPEMRFCGSAS 120

y 121 QHKPSLNWFRARGKLSDQALHRCVAYASDLLEFGGVSNPHEKGKTYCLSLDSIW 180  
b 121 QHKPSLNWFRARGKLSDQALHRCVAYASDLLEFGGVSNPHEKGKTYCLSLDSIW 180

y 181 FHKPVKADEFMLYVIESPSAHHGRGFVTGGMENRQELIMSLTOBALIREKPRGPNPRT 240  
b 181 FHKPVKADEFMLYVIESPSAHHGRGFVTGGMENRQELIMSLTOBALIREKPRGPNPRT 240

b 241 KL 242  
b 241 KL 242

**RESULT 2**

US-09-899-645A-2  
Sequence 2 Application US/09899645A

GENERAL INFORMATION:  
 APPLICANT: Li, Chun Ping  
 APPLICANT: Zheng, Peizhong  
 APPLICANT: Nichols, Scott  
 TITLE OF INVENTION: METHODS FOR REGULATING BETA-OXIDATION IN PLANTS  
 FILE REFERENCE: 35718/2357412  
 CURRENT APPLICATION NUMBER: US/09/899,645A  
 PRIOR APPLICATION NUMBER: 2001-07-05  
 PRIOR FILING DATE: 2000-07-06  
 NUMBER OF SEQ ID NOS: 8  
 SOFTWARE: Patentin Ver. 2.1  
 SEQ ID NO 2

LENGTH: 42

TYPE: PRT  
 ORGANISM: Zea mays

Y S-09-899-645A-2

Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 1 MVHSIHAIFLVAGDNNNPIIYQVHARDGSSPATRKVEAKTQKGLVYFTLIA\$QKEEVGF 60  
Y 1 MVHSIHAIFLVAGDNNNPIIYQVHARDGSSPATRKVEAKTQKGLVYFTLIA\$QKEEVGF 60

b 61 EHQAAMPDVPPPEQLINLEBIRRRLTDPRPSQRNLAAKKKFIPWPEMRFCGSAS 120  
b 61 EHQAAMPDVPPPEQLINLEBIRRRLTDPRPSQRNLAAKKKFIPWPEMRFCGSAS 120

y 121 QHKPSLNWFRARGKLSDQALHRCVAYASDLLEFGGVSNPHEKGKTYCLSLDSIW 180  
b 121 QHKPSLNWFRARGKLSDQALHRCVAYASDLLEFGGVSNPHEKGKTYCLSLDSIW 180

y 181 FHKPVKADEFMLYVIESPSAHHGRGFVTGGMENRQELIMSLTOBALIREKPRGPNPRT 240  
b 181 FHKPVKADEFMLYVIESPSAHHGRGFVTGGMENRQELIMSLTOBALIREKPRGPNPRT 240

b 241 KL 242  
b 241 KL 242

**RESULT 4**

US-10-219-999-45264  
 Sequence 45264 Application US/10219999  
 GENERAL INFORMATION:  
 APPLICANT: Cao, Yongwei  
 APPLICANT: Edgeton, Michael D  
 APPLICANT: Hinkle, Gregory J.  
 APPLICANT: Kovacic, David K.  
 APPLICANT: Liu, Jingdong  
 APPLICANT: Stein, Joshua  
 TITLE OF INVENTION: CDNA SEQUENCES AND USES FOR PLANT IMPROVEMENT  
 FILE REFERENCE: 38-10(52726)C  
 CURRENT APPLICATION NUMBER: US/10/219,999  
 CURRENT FILING DATE: 2002-08-15  
 PRIOR APPLICATION NUMBER: US 60/324,109  
 PRIOR FILING DATE: 2001-09-21  
 PRIOR APPLICATION NUMBER: US 60/312,544  
 PRIOR FILING DATE: 2001-08-15  
 NUMBER OF SEQ ID NOS: 63520  
 SEQ ID NO 45264  
 LENGTH: 424

TYPE: PRT  
 ORGANISM: Zea mays

Y S-09-899-645A-2

Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 1 MVHSIHAIFLVAGDNNNPIIYQVHARDGSSPATRKVEAKTQKGLVYFTLIA\$QKEEVGF 60  
Y 1 MVHSIHAIFLVAGDNNNPIIYQVHARDGSSPATRKVEAKTQKGLVYFTLIA\$QKEEVGF 60

b 61 EHQAAMPDVPPPEQLINLEBIRRRLTDPRPSQRNLAAKKKFIPWPEMRFCGSAS 120  
b 61 EHQAAMPDVPPPEQLINLEBIRRRLTDPRPSQRNLAAKKKFIPWPEMRFCGSAS 120

y 121 QHKPSLNWFRARGKLSDQALHRCVAYASDLLEFGGVSNPHEKGKTYCLSLDSIW 180  
b 121 QHKPSLNWFRARGKLSDQALHRCVAYASDLLEFGGVSNPHEKGKTYCLSLDSIW 180

y 181 FHKPVKADEFMLYVIESPSAHHGRGFVTGGMENRQELIMSLTOBALIREKPRGPNPRT 240  
b 181 FHKPVKADEFMLYVIESPSAHHGRGFVTGGMENRQELIMSLTOBALIREKPRGPNPRT 240

b 241 KL 242  
b 241 KL 242

**RESULT 3**

US-10-172-946-2  
 Sequence 2 Application US/60172946  
 GENERAL INFORMATION: